

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021**ALL PENDING CLAIMS AFTER AMENDMENT**

5. A misting apparatus for cooling a local area in the vicinity of a person by evaporative cooling, comprising:

a pressurizable container for supplying water, said container having a water outlet and an inlet for filling said container, and said container including a first water conduit within said container for supplying water to the water outlet;

means for pressurizing the container;

a second water conduit connected to said first water conduit, said second water conduit having a distal end;

a spray nozzle secured to the distal end of the second water conduit and in fluid communication with said second water conduit, said spray nozzle delivering a fine evaporative cooling mist of water in the vicinity of a person for cooling the person when pressurized water is supplied to said spray nozzle;

an alligator clip secured to said second water conduit for attaching said second water conduit to an article of clothing of the person, whereby said spray nozzle may be positioned for providing said cooling mist of water in the vicinity of the person for hands-free operation of the misting apparatus; and

a restrictive valve having a closed position and an open position, said valve connected to said second water conduit for controlling flow of water to said spray nozzle, whereby pressurization of said pressurizable container forces an uninterrupted spray of water from said pressurizable container out through said spray nozzle on said second conduit when said restrictive valve is in said open position.

7. The misting apparatus of claim 5, further comprising:

means secured to the misting apparatus for attaching the misting apparatus to a person's waist.

8. The misting apparatus of claim 5, wherein said container further comprises means for sealing said inlet for filling the container.

In re: Appn No. 09/358,280

Atty Docket: MISTY-52064
6030-021

9. The misting apparatus of claim 5, wherein said means for pressurizing the container comprises a manual piston type pump.

10. The misting apparatus of claim 5, wherein said container contains a mixture of ice and water.

11. A system for cooling a person, the system comprising:

a pressurizable container for supplying water having a water outlet and an inlet for filling said container;

a first water conduit for fluidly communicating water within said container to said water outlet;

means for pressurizing the container removably mounted to said inlet of said container to create a seal with said container;

a second water conduit extending from said water outlet, said second water conduit having a distal end and a proximal end, said proximal end connected to said container;

at least one spray nozzle secured to the distal end of the second water conduit and in fluid communication therewith, said spray nozzle delivering a fine evaporative cooling mist of water in the vicinity of a person when pressurized water is communicated to the spray nozzle;

means for securing the container to the person; and

an alligator clip secured to said second water conduit for attaching said second water conduit to an article of clothing of the person, whereby said spray nozzle may be positioned for providing said cooling mist of water in the vicinity of the person for hands-free operation of the misting apparatus; and

a valve having a closed position and an open position, said valve for controlling flow of water through said second water conduit and connected to said second water conduit between said container and said spray nozzle, whereby pressurization of said pressurizable container forces an uninterrupted spray of water from said pressurizable container out through said spray nozzle on said second conduit when said restrictive valve is in said open position.

12. The system of claim 11, wherein said means for securing the container to the person comprises a belt secured to the container.

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021

15. The misting apparatus of claim 11, wherein said container further comprises means for sealing said inlet for filling the container.

16. The cooling system of claim 11, wherein said means for pressurizing comprises a manual piston type pump.

17. The misting apparatus of claim 11, wherein the container contains ice and water.

18. (Amended) An apparatus for generating an evaporative mist, useful for evaporatively cooling an individual, comprising:

a pressurizable container for holding fluid for delivery,

a manual pump physically connected to the pressurizable container,

a means for delivering fluid as a continuous evaporative mist, and

a means for controlling the emission of evaporative mist.

19. (Amended) The apparatus for generating an evaporative mist according to claim 18, further comprising:

a set of fluid conduits, a first conduit residing within the pressurizable container and a second conduit outside the pressurizable container, the conduits being in fluid communication with the means for controlling the emission of evaporative mist and pressurizable container, and

a means for hands-free directing of the means for delivering fluid as a continuous evaporative mist towards the individual creating an evaporative cooling effect.

20. (Amended) The apparatus for generating an evaporative mist according to claim 18, further comprising:

a means for securing the pressurizable container to the individual for hands-free carrying of the apparatus.

21. (Amended) The apparatus for generating an evaporative mist according to claim 18, wherein the means for delivering fluid as a continuous evaporative mist comprises an aperture size small enough to emit fluid as particles having a size characteristic of an evaporative mist.

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021

22. (New) A method for generating an evaporative mist for evaporatively cooling an individual using a portable system that delivers an evaporative mist including a pressurizable container for holding fluid, a manual pump connected to the container, at least one spray nozzle in fluid communication with the container, and a valve in fluid communication with the container, the method comprising:

securing the pressurizable container to the individual for hands-free portability,

securing the at least one spray nozzle to an article of clothing on the individual to direct the evaporative cooling mist towards the individual in a hands-free manner to evaporatively cool the individual, and

manipulating the valve to activate a flow of fluid from the pressurizable container and cause the evaporative mist to emit from the at least one spray nozzle.